

June, 2004

Rebuild Michigan



PARTNER NEWS

Rebuild Michigan, part of the U.S. Dept. of Energy's Rebuild America program, is designed to foster partnerships, which will promote increased energy efficiency and renewable energy use within communities. The program focuses on community-based energy planning to insure that local needs are met and that a sustained local effort is established.

Community partnerships develop comprehensive energy use strategies and organize a coalition to work towards fulfilling community energy goals. The partnerships identify energy efficiency opportunities in commercial, institutional, and multi-family buildings and encourage installation of improvements that will yield the highest energy and cost savings.

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OPPORTUNITY ANNOUNCEMENTS

Energy Smart Schools

Rebuild Michigan is sponsoring a statewide energy education initiative entitled EnergySmart Schools (ESS). ESS improves teaching techniques and student learning at all levels through hands on learning activities that can reduce school energy consumption. Instead of strictly learning from a textbook, the students take an active role in the classroom by collecting utility data or forming school-wide "energy patrols", for example. The students develop a vested interest in energy reduction by becoming involved in school energy management. ESS develops a team approach to energy efficiency uniting administration, teaching personnel, and students towards a common goal.

Energy is the second largest item in a school's budget. Behavioral changes taught through the Rebuild Michigan EnergySmart Schools Program can save up to 15% of school energy consumption, which can be reinvested in education.

Rebuild MI has focused on facility energy efficiency, but have experienced a growing customer demand to integrate an educational component incorporating students and teachers as well as the administration. We want to decrease the gap between the technical components of energy efficiency, and the learned behaviors of students, faculty, and administration that effect energy efficiency. The goal of EnergySmart Schools is to create a unified effort to promote energy efficiency through energy education and school-wide participation.

☆☆Energy Smart School Incentive☆☆

Rebuild MI is currently offering an EnergySmart Schools incentive to eligible K-12 public school districts that want to initiate an energy education project during the 2004-2005 school year. The incentive will provide energy education training for staff and educational materials for the students in 3-5 districts. To apply, your school district must enroll or be enrolled in Rebuild Michigan. Incentives will be awarded on a first come first serve basis. Interested districts must submit a short proposal that includes: purpose of participation, school involvement (identify target groups and grades as well as lead contacts), and a brief description of the type of project your district would like to pursue. Proposals may be submitted to the MI Energy Office between 5/7/04 and 9/30/04.

Please contact Tim Shireman at (517) 241-6281 or
tashire@michigan.gov for more details.
Do not miss this exciting opportunity!!

COMMUNITY PARTNERSHIPS

Rebuild Washtenaw County is finalizing a performance contract with Chevron Energy to install energy efficiency improvements in 18 buildings, encompassing 650,000 square feet. The project will include a 10kW solar photovoltaic technology demonstration.

Rebuild Michigan State University (MSU) has completed energy audits of 5 Residence Halls and developed and delivered energy training to Residence Halls staff. They have also planned a student energy information campaign and developed Energy Star dorm rooms to showcase energy efficiency for their Freshman Parent Orientation programs. Approximately 10,000 parents of incoming students are expected to view the Energy Star products and appliances now available in dorm rooms that have been set up in all major Residence Halls.

Rebuild Delta County is completing initial evaluations in order to identify new energy retrofit projects for the summer. They plan to expand their program beyond the county's boundaries through promoting results from the initial successes of their service component called the Northern Lights Project (NLP). NLP has been nominated for a "Cool Upper Peninsula" award from Governor Granholm. Award will be announced in August.

Rebuild Greater Lansing Schools (RGLSP) The Lansing School district has asked the RGLSP to become part of a district wide energy analysis process. The RGLSP hopes to expand the energy analysis project from five to ten schools within this district. The Lansing School District is also building a new school and the RGLSP will be recommending energy efficiency improvements for the facility. RGLSP plans to use The Lansing School District as a model for other participating schools. In July of 2004 RGLSP will select the next school district in the Greater Lansing Community for the program.

Rebuild Traverse City This spring additional project partners joined the community coalition for a total of nine building and facility owners and managers. Detailed energy efficiency analysis and/or renewable energy analysis has been completed on six facilities and introductory data analysis has been completed on six facilities.

REBUILD RESOURCES

The Energy Hog Website
www.energyhog.org

This online, interactive website is the centerpiece of the Department of Energy's "Energy Hog" Campaign. The website's main attraction is the Energy Hog Training Camp and its five training games, where children can learn to become Energy Hog Busters and, in fun and simple ways, learn to use energy more efficiently. While the site is aimed at children grades 3-7, it also includes resources for parents and teachers, as well as Internet versions of the Energy Hog ads. For example the Energy Hog Scavenger Hunt is a simple take home assignment to get kids and parents working together to discover ways to save energy in their own home.

For more tips about creative ways to get children interested in energy efficiency go to
www.energysmartschools.gov

REBUILD MICHIGAN PARTNER UPDATE

This quarter Rebuild Michigan enrolled five new partners. The table to the right lists each with the square footage they have committed to energy improvements, and their potential energy savings.

Since September 2003, 31 school districts and local governments have enrolled. Rebuild Michigan partners have pledged a total of 15,089,108 square feet to energy efficiency projects, with an estimated annual cost savings of \$2,563,794 and an estimated investment of \$18,192,639. When school districts and local governments were asked how building energy improvements will fit in with other organization priorities the majority said it was a top priority and that it is their goal to save energy and money whenever possible. We look forward to working with all Rebuild Partners to reduce their energy consumption through cost effective improvements.

** These numbers were calculated on the Rebuild America website and may not reflect the actual annual energy savings available.*

Name	Square Feet	*Potential Annual Energy Savings (MMBTU)
Detroit Public Schools	944,404	141,661
Grand Rapids Public Library	207,576	56,046
Plymouth-Canton Community Schools	1,661,872	249,281
Riverview Community Schools	207,576	56,046
Woodhaven Brownstown School District	767,450	115,118
Grand Rapids Community College	732,465	36,623

► ENERGY SMART AMERICA 2004 ◀

More than 400 energy professionals across America gathered in Minneapolis, Minnesota for Energy Smart America 2004: Tool and Solutions for States and Communities from May 11-14th. The US DOE Office of Energy Efficiency and Renewable Energy (EERE), sponsored the event which focused on renewable fuels, flexible fuel vehicles and efficiency in buildings. The goal of Energy Smart America 2004 was to advance state and community energy-saving efforts and deployment of sustainable energy solutions by: fostering connections among community leaders, policymakers, grassroots groups, and other players; disseminating energy-saving information not offered by anyone else; and facilitating discussions. The conference included more than 35 sessions on existing and advanced energy efficiency, renewable energy and clean fuel technologies, and their use in federal, state, and community projects. Sessions were also held on building codes, state legislation and incentive programs. Tim Shireman, of the Rebuild Michigan Staff said that, "the chance to interact with counterparts from different states across the nation was a real benefit and I enjoyed learning about exciting opportunities within Rebuild America."

To view many of the presentations from the conference go to:
www.energysmartamerica.org/sessions.html

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ENERGY EVENTS

Building a Solar Panel System

July 10, 9 am -1 pm

Pierce Cedar Creek
Institute, Hastings

Contact: (269) 721-4190
or visit

[www.
cedarcreekinstitute.org](http://www.cedarcreekinstitute.org)

Comprehensive 5-day training program for energy managers

July 12-16, 2004

Chicago, IL
Hyatt Regency Chicago

Elaine Berkheimer,
AEE, (770) 447-5083,
ext. 218

[www.aeecenter.org/
seminars/](http://www.aeecenter.org/seminars/)

Building Commissioning Energy Technology Seminar

July 17, 2004

Dayton, OH
Sinclair Community
College

Cindy Bach
937-224-3920

[www.rebuild.org/
events](http://www.rebuild.org/events)

Advanced High Performance Public Buildings Workshop

August 24th

Lansing MI Historical
Library and Museum

Chelsea Hasenbourg
(517) 373-1950

[www.michigan.gov/
eoworkshops](http://www.michigan.gov/eoworkshops)